

ABSTRACT

Electro-kinetic air transporter and conditioner systems and methods are provided. A system includes a pin emitter electrode and a ring collector electrode located downstream from the emitter electrode. A driver electrode, which is preferably insulated, is located at least partially within an interior of said ring collector electrode. A high voltage source provides a voltage potential to at least one of said emitter electrode and said collector electrode to thereby provide a potential difference therebetween. The driver electrode may or may not be at a same voltage potential as the emitter electrode, but should be at a different voltage potential than the collector electrode. This description is not intended to be a complete description of, or limit the scope of, the invention. Other features, aspects, and objects of the invention can be obtained from a review of the specification, the figures, and the claims.